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## EUROPEAN PATENT APPLICATION

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(54) Low-molecular pectin, and food and drink which contain low-molecular pectin

(57) A novel pectinase for degradation a pectin or pectic acid is disclosed wherein

(1) the novel pectinase is an endopolygalacturonase produced from a genus Saccharomyces,

(2) the optimal pH is 4.0,

(3) the stable pH range is 4.0 to 8.0,

(4) the optimal temperature is 45°C,

(5) the enzymatic activity is stable up to 45°C,  
and

(6) the molecular weight is 38,000. A low-molecular pectin having a low viscosity and a high solubility and maintaining the physiological activity as the dietary fiber, and food and drink each of which contains 0.01 to 50 wt% of the low molecular pectin are also disclosed.



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## EUROPEAN SEARCH REPORT

Application Number  
EP 98 10 0456

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The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
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CATEGORY OF CITED DOCUMENTS					
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A : technological background	D : document cited in the application				
O : non-written disclosure	L : document cited for other reasons				
P : intermediate document	& : member of the same patent family, corresponding document				



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Application Number

EP 98 10 0456

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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EP 98 10 0456

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